CRAFA
PEPTIDE & COMPOUND ANALYSIS

Independent Peptide & Research-Compound Testing
14 Mill Lane, Cambridge, United Kingdom

CERTIFICATE OF ANALYSIS

Certificate of Analysis (COA)

No. CRF-2026-0145
Issued: 2026-09-06

PRODUCT IDENTIFICATION

PRODUCT Semax 10mg	SKU / INTERNAL CODE CRF-2026-0145	PRESENTATION Lyophilised powder, 10mg vial
BATCH NUMBER CRF-2026-0145	SAMPLE RECEIVED 2026-08-31	PRODUCTION DATE 2026-08-27
ANALYSIS DATE 2026-09-04	EXPIRY / RETEST DATE 2028-09-04	MOLECULAR FORMULA C37H51N9O10S
MOLECULAR WEIGHT (G/MOL) 813.91	CAS 80714-61-0	

Research Use Only (RUO). Not for human or veterinary use, consumption, or clinical diagnosis.

ANALYTICAL METHOD — HPLC

INSTRUMENT Agilent 1290	COLUMN C18 4.6×150mm	COLUMN TEMPERATURE 35°C
MOBILE PHASE A 0.1% TFA H2O	MOBILE PHASE B ACN	FLOW RATE 1.0 mL/min
DETECTION WAVELENGTH 214 nm	INJECTION VOLUME 10 µL	SAMPLE CONCENTRATION 1.0 mg/mL
DILUENT —	RETENTION TIME (MAIN PEAK) 6.5 min	

Recorded methods: HPLC-UV (214 nm) · LC-MS/MS · LAL · ICP-MS

RESULTS

Test	Acceptance Criteria	Result	Verdict
HPLC Purity (% area)	≥98.0%	99.3%	PASS
Identity (LC-MS)	813.9 ±2%	Obs: 813.4 [M+H]+	PASS

Verify document: VEL-6ec9265a993dfe8e · crafalab.com/verify
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Applies only to batch CRF-2026-0145. Certificate CRF-2026-0145.
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Test	Acceptance Criteria	Result	Verdict
Quantity found	95.0–105.0%	9.98 mg (99.8%)	PASS
Endotoxin	<1.0 EU/mg	<0.25 EU/mg	PASS
Heavy metals	<10 ppm	All <LOQ	PASS

Detected Impurities

No impurity data recorded.

FINAL BATCH RESULT

PASS — Conforms to specifications

No chromatogram data recorded.

Analyst notes: Category: Cognitive. Sample conforms to label claim and Gold panel acceptance criteria.

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